

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Johan Auwerx et al.                      Art Unit : 1636  
Serial No. : 09/463,542                              Examiner : Maria Marvich  
Filed : December 11, 2002  
Title : HUMAN PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR  
GAMMA (PPAR $\gamma$ ) GENE REGULATORY SEQUENCES AND USES  
THEREOF

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**POWER OF ATTORNEY BY ASSIGNEE**

Sir:

Revoking any and all powers of attorney and authorizations of agent heretofore made in respect of the above-captioned patent application, the Assignee of the entire interest in this patent application hereby appoints the following as its attorneys, with full power of substitution and revocation, to prosecute the application and to transact all business in the Patent and Trademark Office connected therewith:

STEPHANIE SEIDMAN, Registration No. 33,779; FRED C. HERNANDEZ, Registration No. 41,832; PAULA K. SCHOENECK, Registration No. 39,362 and SCOTT C. HARRIS, Registration No. 32,030. Please direct all telephonic inquiries to Stephanie Seidman at telephone no. (858) 678-5070.

Address all correspondence to:

Stephanie Seidman  
FISH & RICHARDSON P.C.  
12390 El Camino Real  
San Diego, California 92130-2081

LIGAND PHARMACEUTICALS INCORPORATED

Warner R. Broadus, General Counsel  
Vice President and Secretary

Date: 04/08/05



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**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

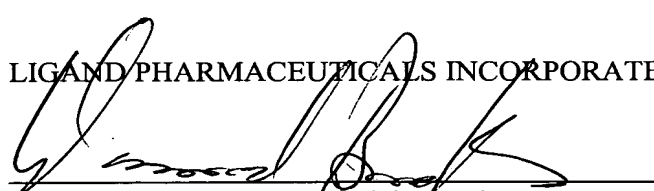
LIGAND PHARMACEUTICALS INCORPORATED, a Delaware corporation, with a current business address of 10275 Science Center Drive, San Diego, California 92121, U.S.A., is the Assignee of the entire right, title and interest in the above-captioned patent application by virtue of an Assignment from the inventors. A copy of the Assignment from the inventors to LIGAND PHARMACEUTICALS INCORPORATED is attached hereto.

The undersigned (whose title is supplied below) is empowered to act on behalf of the Assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 04/08/05

LIGAND PHARMACEUTICALS INCORPORATED

  
Warner R. Broadus, General Counsel  
Vice President and Secretary

**ASSIGNMENT**

I, **REGIS S. SALADIN**, a citizen of France, residing at  
17, RUE DE L'ALTENBERG 67140 BARR, for good and valuable  
consideration, have assigned and do hereby assign to **LIGAND PHARMACEUTICALS  
INCORPORATED**, a corporation organized under the laws of Delaware, having a principal  
business address of 10275 Science Center Drive, San Diego, California 92121, U.S.A., its  
successors, assigns and legal representatives, the entire right, title and interest in and to all  
subject matter disclosed in the application for Letters Patent of the United States Application  
No. 09/463,542 entitled:

**HUMAN PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR GAMMA  
(PPARK) GENE REGULATORY SEQUENCES AND USES THEREOF**

which was filed on December 11, 2002, and in and to all Convention and Treaty rights of all  
kinds, in all countries throughout the world, for all such subject matter, including the right to  
claim for any such applications any priority rights to which such applications are entitled  
under international conventions, treaties or otherwise and, in and to, all Letters Patent to be  
obtained for said subject matter by the above application or any continuation, division,  
continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any  
reissue, reexamination or extension of said Letters Patent.

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

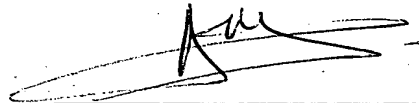
DATE: March 22, 2005



REGIS S. SALADIN

WITNESSED:

DATE: March 22, 2005



[SIGNATURE OF WITNESS]

HAU S. Christophe  
[PRINTED NAME OF WITNESS]

WITNESSED:

DATE: \_\_\_\_\_

\_\_\_\_\_  
[SIGNATURE OF WITNESS]

\_\_\_\_\_  
[PRINTED NAME OF WITNESS]

**ASSIGNMENT**

I, **LLUIS FAJAS**, a citizen of Spain, residing at 21, rue des jardins d'Omeyades, 34080 Montpellier, France, for good and valuable consideration, have assigned and do hereby assign to **LIGAND PHARMACEUTICALS INCORPORATED**, a corporation organized under the laws of Delaware, with its principal place of business at 10275 Science Center Drive, San Diego, California, 92121, U.S.A., (hereinafter Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No.

09/463,542 entitled:

**HUMAN PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR GAMMA (PPARK) GENE REGULATORY SEQUENCES AND USES THEREOF**

which was filed on December 11, 2002, and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

Date: 03/11/05

  
\_\_\_\_\_  
**LLUIS FAJAS**

WITNESSED:

DATE: 03/11/05

  
\_\_\_\_\_  
[SIGNATURE OF WITNESS]

**JACQUES TEYSSIER**  
\_\_\_\_\_  
[PRINTED NAME OF WITNESS]

WITNESSED:

DATE: 03/11/05

  
\_\_\_\_\_  
[SIGNATURE OF WITNESS]

**IANKOVA Irena**  
\_\_\_\_\_  
[PRINTED NAME OF WITNESS]

**ASSIGNMENT**

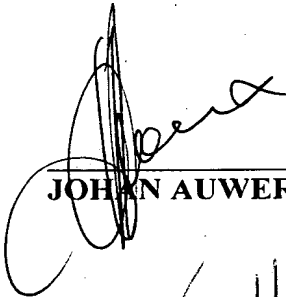
I, **JOHAN AUWERX**, a citizen of Belgium, residing at 195 Rue du Moulin, 67150 Hindisheim, France, for good and valuable consideration, have assigned and do hereby assign to **LIGAND PHARMACEUTICALS INCORPORATED**, a corporation organized under the laws of Delaware, with its principal place of business at 10275 Science Center Drive, San Diego, California 92121, U.S.A. (hereinafter Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No. 09/463,542 entitled:

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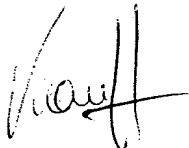
I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

Date: 11/3/2005

  
\_\_\_\_\_  
**JOHAN AUWERX**

WITNESSED:

DATE: March 11, 2005

  
\_\_\_\_\_  
[SIGNATURE OF WITNESS]

Dominique KAUFFMANN  
[PRINTED NAME OF WITNESS]

WITNESSED:

DATE: March 11, 2005

  
\_\_\_\_\_  
[SIGNATURE OF WITNESS]

Valerie STENGEL  
[PRINTED NAME OF WITNESS]